

=> file biosis caba caplus embase japio lifesci medline scisearch

=> e kozel thomas r/au

E1	9	KOZEL THOMAS/AU
E2	2	KOZEL THOMAS H/AU
E3	279 -->	KOZEL THOMAS R/AU
E4	2	KOZEL THOMAS R DR/AU
E5	2	KOZEL TOMAS/AU
E6	2	KOZEL TSEV A L/AU
E7	11	KOZEL TSEV L I/AU
E8	2	KOZEL TSEV M L/AU
E9	63	KOZEL TSEV V L/AU
E10	1	KOZEL TSEVA I M/AU
E11	1	KOZEL TSOV N P/AU
E12	3	KOZEL TSOVA N P/AU

=> s e3-e4 and (PGA)

L1 6 ("KOZEL THOMAS R"/AU OR "KOZEL THOMAS R DR"/AU) AND (PGA)

=> dup rem l1

PROCESSING COMPLETED FOR L1

L2 1 DUP REM L1 (5 DUPLICATES REMOVED)

=> d

L2 ANSWER 1 OF 1 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN  
DUPLICATE 1  
AN 2009:150619 BIOSIS <<LOGINID::20090713>>  
DN PREV200900150619  
TI Macrophage Uptake, Intracellular Localization, and Degradation of  
Poly-gamma-D-Glutamic Acid, the Capsular Antigen of Bacillus anthracis.  
AU Sutherland, Marjorie D.; \*\*\*Kozel, Thomas R.\*\*\* [Reprint Author]  
CS Univ Nevada, Sch Med, Dept Microbiol and Immunol 320, Reno, NV 89557 USA  
tkozel@medicine.nevada.edu  
SO Infection and Immunity, (JAN 2009) Vol. 77, No. 1, pp. 532-538.  
CODEN: INFIBR. ISSN: 0019-9567.  
DT Article  
LA English  
ED Entered STN: 25 Feb 2009  
Last Updated on STN: 25 Feb 2009

=> e murphy william j/au

E1	3	MURPHY WILLIAM I/AU
E2	1	MURPHY WILLIAM IGNATIUS III/AU
E3	906 -->	MURPHY WILLIAM J/AU
E4	21	MURPHY WILLIAM J DR/AU
E5	2	MURPHY WILLIAM J PROF/AU
E6	8	MURPHY WILLIAM JAMES/AU
E7	24	MURPHY WILLIAM JOHN/AU
E8	10	MURPHY WILLIAM JOSEPH/AU
E9	35	MURPHY WILLIAM K/AU
E10	98	MURPHY WILLIAM L/AU
E11	2	MURPHY WILLIAM LEO/AU
E12	128	MURPHY WILLIAM M/AU

=> s e3-e8 and PGA

L3 0 ("MURPHY WILLIAM J"/AU OR "MURPHY WILLIAM J DR"/AU OR "MURPHY

WILLIAM J PROF"/AU OR "MURPHY WILLIAM JAMES"/AU OR "MURPHY WILLIAM JOHN"/AU OR "MURPHY WILLIAM JOSEPH"/AU) AND PGA

=> s e3-e8 and polyglutamic

L4 1 ("MURPHY WILLIAM J"/AU OR "MURPHY WILLIAM J DR"/AU OR "MURPHY WILLIAM J PROF"/AU OR "MURPHY WILLIAM JAMES"/AU OR "MURPHY WILLIAM JOHN"/AU OR "MURPHY WILLIAM JOSEPH"/AU) AND POLYGLUTAMIC

=> d

L4 ANSWER 1 OF 1 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights reserved on STN  
AN 2004163147 EMBASE <<LOGINID::20090713>>  
TI mAbs to Bacillus anthracis capsular antigen for immunoprotection in anthrax and detection of antigenemia.  
AU Kozel, Thomas R. (correspondence); \*\*\*Murphy, William J.\*\*\* ; Brandt, Suzanne; Thorkildson, Peter; Percival, Ann  
CS Dept. of Microbiology and Immunology, Univ. of Nevada School of Medicine, Reno, NV 89557, United States. trkozel@med.unr.edu  
AU Blazar, Bruce R.  
CS Cancer Center, Department of Pediatrics, University of Minnesota, Minneapolis, MN 55455, United States.  
AU Lovchik, Julie A.; Lyons, C. Rick  
CS Department of Internal Medicine, Univ. of New Mex. Hlth. Sci. Center, Albuquerque, NM 87131, United States.  
SO Proceedings of the National Academy of Sciences of the United States of America, (6 Apr 2004) Vol. 101, No. 14, pp. 5042-5047.  
Refs: 21  
ISSN: 0027-8424 CODEN: PNASA6  
CY United States  
DT Journal; Article  
FS 037 Drug Literature Index  
004 Microbiology: Bacteriology, Mycology, Parasitology and Virology  
LA English  
SL English  
ED Entered STN: 28 May 2004  
Last Updated on STN: 28 May 2004

=> e brandt suzanne/au

E1 6 BRANDT SUSAN R/AU  
E2 1 BRANDT SUSANNE/AU  
E3 35 --> BRANDT SUZANNE/AU  
E4 6 BRANDT SUZANNE M/AU  
E5 11 BRANDT SVEN/AU  
E6 3 BRANDT SVEN E/AU  
E7 3 BRANDT SYLVIA/AU  
E8 1 BRANDT SYLVIA DR/AU  
E9 3 BRANDT SYLVIA J/AU  
E10 2508 BRANDT T/AU  
E11 26 BRANDT T A/AU  
E12 1 BRANDT T B/AU

=> s e1-e4 and (PGA or polyglutamic)

L5 2 ("BRANDT SUSAN R"/AU OR "BRANDT SUSANNE"/AU OR "BRANDT SUZANNE"/AU OR "BRANDT SUZANNE M"/AU) AND (PGA OR POLYGLUTAMIC)

=> dup rem 15  
PROCESSING COMPLETED FOR L5  
L6 2 DUP REM L5 (0 DUPLICATES REMOVED)

=> d 1-  
YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/(N):y

L6 ANSWER 1 OF 2 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights reserved on STN  
AN 2007016408 EMBASE <<LOGINID::20090713>>  
TI Protective and immunochemical activities of monoclonal antibodies reactive with the Bacillus anthracis polypeptide capsule.  
AU Kozel, Thomas R. (correspondence); Thorkildson, Peter; \*\*\*Brandt,\*\*\*  
\*\*\* Suzanne\*\*\* ; AuCoin, David P.; Vilai, Julpohng  
CS Department of Microbiology and Immunology, University of Nevada School of Medicine, Reno, NV 89557, United States. tkozel@medicine.nevada.edu  
AU Welch, William H.  
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AU Kozel, Thomas R. (correspondence)  
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AU \*\*\*Brandt, Suzanne\*\*\*  
CS Earle A. Chiles Research Institute, Veterans Affairs Medical Center, Bldg 103/E146, 3710 SW US Vet. Hosp. Rd., Portland, OR 97201, United States.  
SO Infection and Immunity, (Jan 2007) Vol. 75, No. 1, pp. 152-163.  
Refs: 41  
ISSN: 0019-9567 CODEN: INFIBR  
CY United States  
DT Journal; Article  
FS 026 Immunology, Serology and Transplantation  
037 Drug Literature Index  
004 Microbiology: Bacteriology, Mycology, Parasitology and Virology  
LA English  
SL English  
ED Entered STN: 15 Feb 2007  
Last Updated on STN: 15 Feb 2007

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AN 2004163147 EMBASE <<LOGINID::20090713>>  
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AU Kozel, Thomas R. (correspondence); Murphy, William J.; \*\*\*Brandt,\*\*\*  
\*\*\* Suzanne\*\*\* ; Thorkildson, Peter; Percival, Ann  
CS Dept. of Microbiology and Immunology, Univ. of Nevada School of Medicine, Reno, NV 89557, United States. trkozel@med.unr.edu  
AU Blazar, Bruce R.  
CS Cancer Center, Department of Pediatrics, University of Minnesota, Minneapolis, MN 55455, United States.  
AU Lovchik, Julie A.; Lyons, C. Rick  
CS Department of Internal Medicine, Univ. of New Mex. Hlth. Sci. Center, Albuquerque, NM 87131, United States.  
SO Proceedings of the National Academy of Sciences of the United States of

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America, (6 Apr 2004) Vol. 101, No. 14, pp. 5042-5047.
Refs: 21
ISSN: 0027-8424 CODEN: PNASA6
CY United States
DT Journal; Article
FS 037 Drug Literature Index
004 Microbiology: Bacteriology, Mycology, Parasitology and Virology
LA English
SL English
ED Entered STN: 28 May 2004
Last Updated on STN: 28 May 2004

=> e percival ann/au
E1 2 PERCIVAL ANDREW/AU
E2 3 PERCIVAL ANJA C/AU
E3 11 --> PERCIVAL ANN/AU
E4 8 PERCIVAL ANN L/AU
E5 1 PERCIVAL ANTHONY HECTOR/AU
E6 5 PERCIVAL B/AU
E7 1 PERCIVAL BAANDON K/AU
E8 1 PERCIVAL BAILEY/AU
E9 1 PERCIVAL BARKER K/AU
E10 5 PERCIVAL BRANDON K/AU
E11 1 PERCIVAL BRIAN/AU
E12 1 PERCIVAL BRIAN MITCHELL/AU

=> s e3-e4 and (PGA or polyglutamic)
L7 1 ("PERCIVAL ANN"/AU OR "PERCIVAL ANN L"/AU) AND (PGA OR POLYGLUTA
MIC)

=> d

L7 ANSWER 1 OF 1 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights
reserved on STN
AN 2004163147 EMBASE <<LOGINID::20090713>>
TI mAbs to Bacillus anthracis capsular antigen for immunoprotection in
anthrax and detection of antigenemia.
AU Kozel, Thomas R. (correspondence); Murphy, William J.; Brandt, Suzanne;
Thorkildson, Peter; ***Percival, Ann***
CS Dept. of Microbiology and Immunology, Univ. of Nevada School of Medicine,
Reno, NV 89557, United States. trkozel@med.unr.edu
AU Blazar, Bruce R.
CS Cancer Center, Department of Pediatrics, University of Minnesota,
Minneapolis, MN 55455, United States.
AU Lovchik, Julie A.; Lyons, C. Rick
CS Department of Internal Medicine, Univ. of New Mex. Hlth. Sci. Center,
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Refs: 21
ISSN: 0027-8424 CODEN: PNASA6
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FS 037 Drug Literature Index
004 Microbiology: Bacteriology, Mycology, Parasitology and Virology
LA English

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SL English  
ED Entered STN: 28 May 2004  
Last Updated on STN: 28 May 2004

=> e thorkildson peter/au

E1 1 THORKILDSON M/AU  
E2 25 THORKILDSON P/AU  
E3 46 --> THORKILDSON PETER/AU  
E4 1 THORKILDSON R J/AU  
E5 5 THORKILGAARD O/AU  
E6 1 THORKILSEN B/AU  
E7 1 THORKILSEN GEIR/AU  
E8 4 THORKILSEN MARIE L/AU  
E9 3 THORKILSEN MARIELOUISE MUUS/AU  
E10 1 THORKINGTON P/AU  
E11 1 THORKLAKSON R H/AU  
E12 1 THORKSHAUGE H/AU

=> s e2-e3 and (PGA or polyglutamic)

L8 4 ("THORKILDSON P"/AU OR "THORKILDSON PETER"/AU) AND (PGA OR POLYG  
LUTAMIC)

=> dup rem l8

PROCESSING COMPLETED FOR L8

L9 3 DUP REM L8 (1 DUPLICATE REMOVED)

=> d 1-

YOU HAVE REQUESTED DATA FROM 3 ANSWERS - CONTINUE? Y/(N):y

L9 ANSWER 1 OF 3 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights reserved on STN DUPLICATE 1  
AN 2008145772 EMBASE <<LOGINID::20090713>>  
TI In vivo fate and distribution of poly- $\gamma$ -D-glutamic acid, the capsular antigen from *Bacillus anthracis*.  
AU Sutherland, Marjorie D.; \*\*\*Thorkildson, Peter\*\*\* ; Kozel, Thomas R.  
CS Department of Microbiology and Immunology, University of Nevada, School of Medicine, Reno, NV 89557, United States. tkozel@medicine.nevada.edu  
AU Sutherland, Marjorie D.; Kozel, Thomas R.  
CS Cell and Molecular Biology Program, University of Nevada, School of Medicine, Reno, NV 89557, United States. tkozel@medicine.nevada.edu  
AU Parks, Samuel D.  
CS Department of Pathology, University of Nevada, School of Medicine, Reno, NV 89557, United States.  
AU Kozel, Thomas R.  
CS Department of Microbiology and Immunology/320, University of Nevada, School of Medicine, Reno, NV 89557, United States. tkozel@medicine.nevada.edu  
AU Kozel, T. R. (correspondence)  
CS Department of Microbiology and Immunology/320, University of Nevada, School of Medicine, Reno, NV 89557, United States. tkozel@medicine.nevada.edu  
SO Infection and Immunity, (Mar 2008) Vol. 76, No. 3, pp. 899-906.  
Refs: 30  
ISSN: 0019-9567 CODEN: INFIBR  
CY United States  
DT Journal; Article

FS 026 Immunology, Serology and Transplantation  
 004 Microbiology: Bacteriology, Mycology, Parasitology and Virology  
 LA English  
 SL English  
 ED Entered STN: 18 Apr 2008  
 Last Updated on STN: 18 Apr 2008

L9 ANSWER 2 OF 3 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights reserved on STN  
 AN 2007016408 EMBASE <<LOGINID::20090713>>  
 TI Protective and immunochemical activities of monoclonal antibodies reactive with the Bacillus anthracis polypeptide capsule.  
 AU Kozel, Thomas R. (correspondence); \*\*\*Thorkildson, Peter\*\*\* ; Brandt, Suzanne; AuCoin, David P.; Vilai, Julpohng  
 CS Department of Microbiology and Immunology, University of Nevada School of Medicine, Reno, NV 89557, United States. tkozel@medicine.nevada.edu  
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 AU Brandt, Suzanne  
 CS Earle A. Chiles Research Institute, Veterans Affairs Medical Center, Bldg 103/E146, 3710 SW US Vet. Hosp. Rd., Portland, OR 97201, United States.  
 SO Infection and Immunity, (Jan 2007) Vol. 75, No. 1, pp. 152-163.  
 Refs: 41  
 ISSN: 0019-9567 CODEN: INFIBR  
 CY United States  
 DT Journal; Article  
 FS 026 Immunology, Serology and Transplantation  
 037 Drug Literature Index  
 004 Microbiology: Bacteriology, Mycology, Parasitology and Virology  
 LA English  
 SL English  
 ED Entered STN: 15 Feb 2007  
 Last Updated on STN: 15 Feb 2007

L9 ANSWER 3 OF 3 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights reserved on STN  
 AN 2004163147 EMBASE <<LOGINID::20090713>>  
 TI mAbs to Bacillus anthracis capsular antigen for immunoprotection in anthrax and detection of antigenemia.  
 AU Kozel, Thomas R. (correspondence); Murphy, William J.; Brandt, Suzanne; \*\*\*Thorkildson, Peter\*\*\* ; Percival, Ann  
 CS Dept. of Microbiology and Immunology, Univ. of Nevada School of Medicine, Reno, NV 89557, United States. trkozel@med.unr.edu  
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 SO Proceedings of the National Academy of Sciences of the United States of

America, (6 Apr 2004) Vol. 101, No. 14, pp. 5042-5047.  
 Refs: 21  
 ISSN: 0027-8424 CODEN: PNASA6  
 CY United States  
 DT Journal; Article  
 FS 037 Drug Literature Index  
 004 Microbiology: Bacteriology, Mycology, Parasitology and Virology  
 LA English  
 SL English  
 ED Entered STN: 28 May 2004  
 Last Updated on STN: 28 May 2004

=> e blazar bruce r/au

E1	1	BLAZAR BRUCE B/AU
E2	1	BLAZAR BRUCE L/AU
E3	1113 -->	BLAZAR BRUCE R/AU
E4	21	BLAZAR BRUCE R DR/AU
E5	5	BLAZAR ERIC/AU
E6	1	BLAZAR H/AU
E7	2	BLAZAR H A/AU
E8	1	BLAZAR J/AU
E9	1	BLAZAR J M/AU
E10	3	BLAZAR M/AU
E11	1	BLAZAR N E/AU
E12	9	BLAZAR P/AU

=> s e1-e4 and (PGA or polyglutamic)

L10 1 ("BLAZAR BRUCE B"/AU OR "BLAZAR BRUCE L"/AU OR "BLAZAR BRUCE  
 R"/AU OR "BLAZAR BRUCE R DR"/AU) AND (PGA OR POLYGLUTAMIC)

=> d

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 AN 2004163147 EMBASE <<LOGINID::20090713>>  
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 DT Journal; Article  
 FS 037 Drug Literature Index  
 004 Microbiology: Bacteriology, Mycology, Parasitology and Virology  
 LA English

SL English  
ED Entered STN: 28 May 2004  
Last Updated on STN: 28 May 2004

=> e lovchik julie a/au

E1 1 LOVCHIK JUDY C/AU  
E2 29 LOVCHIK JULIE/AU  
E3 37 --> LOVCHIK JULIE A/AU  
E4 1 LOVCHIK M A/AU  
E5 16 LOVCHIK MARTIN A/AU  
E6 6 LOVCHIK ROBERT/AU  
E7 3 LOVCHIK ROBERT D/AU  
E8 1 LOVCHIKA MARTIN A/AU  
E9 1 LOVCHIKO GN/AU  
E10 1 LOVCHIKO NN/AU  
E11 2 LOVCHIKO VA/AU  
E12 3 LOVCHIKOV A A/AU

=> s e2-e3 and (PGA or polyglutamic)

L11 2 ("LOVCHIK JULIE"/AU OR "LOVCHIK JULIE A"/AU) AND (PGA OR POLYGLUTAMIC)

=> dup rem l11

PROCESSING COMPLETED FOR L11

L12 2 DUP REM L11 (0 DUPLICATES REMOVED)

=> d 1-

YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/(N):y

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AN 2007016408 EMBASE <<LOGINID::20090713>>

TI Protective and immunochemical activities of monoclonal antibodies reactive with the Bacillus anthracis polypeptide capsule.

AU Kozel, Thomas R. (correspondence); Thorkildson, Peter; Brandt, Suzanne; AuCoin, David P.; Vilai, Julpohng

CS Department of Microbiology and Immunology, University of Nevada School of Medicine, Reno, NV 89557, United States. tkozel@medicine.nevada.edu

AU Welch, William H.

CS Department of Biochemistry and Molecular Biology, University of Nevada School of Medicine, Reno, NV 89557, United States.

AU \*\*\*Lovchik, Julie A.\*\*\* ; Lyons, C. Rick

CS Department of Internal Medicine, University of New Mexico Health Sciences Center, Albuquerque, NM 87131, United States.

AU Kozel, Thomas R. (correspondence)

CS Department of Microbiology and Immunology/320, University of Nevada School of Medicine, Reno, NV 89557, United States. tkozel@medicine.nevada.edu

AU Brandt, Suzanne

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SO Infection and Immunity, (Jan 2007) Vol. 75, No. 1, pp. 152-163.

Refs: 41

ISSN: 0019-9567 CODEN: INFIBR

CY United States

DT Journal; Article

FS 026 Immunology, Serology and Transplantation



037 Drug Literature Index  
 004 Microbiology: Bacteriology, Mycology, Parasitology and Virology  
 LA English  
 SL English  
 ED Entered STN: 15 Feb 2007  
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 AN 2004163147 EMBASE <<LOGINID::20090713>>  
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 004 Microbiology: Bacteriology, Mycology, Parasitology and Virology  
 LA English  
 SL English  
 ED Entered STN: 28 May 2004  
 Last Updated on STN: 28 May 2004

=> e lyons c rick/au

E1	2	LYNOEE NIELS/AU
E2	1	LYNOH JOHN/AU
E3	0 -->	LYNONS C RICK/AU
E4	2	LYNONS EMILY/AU
E5	1	LYNONS GARY W/AU
E6	1	LYNOS D J/AU
E7	8	LYNOTT A/AU
E8	7	LYNOTT A J/AU
E9	11	LYNOTT A M/AU
E10	7	LYNOTT AARON J/AU
E11	5	LYNOTT ANNE M/AU
E12	1	LYNOTT B/AU

=> e lyons c rick/au

E1	229	LYONS C R/AU
E2	52	LYONS C RICHARD/AU
E3	119 -->	LYONS C RICK/AU
E4	1	LYONS C RICK DR/AU
E5	25	LYONS C S/AU
E6	1	LYONS C V/AU

E7	22	LYONS C W/AU
E8	9	LYONS C Y/AU
E9	1	LYONS CALVIN C/AU
E10	9	LYONS CALVIN G/AU
E11	2	LYONS CALVIN G JR/AU
E12	1	LYONS CAREY/AU

=> s e1-e4 and (PGA or polyglutamic)

L13 3 ("LYONS C R"/AU OR "LYONS C RICHARD"/AU OR "LYONS C RICK"/AU OR  
"LYONS C RICK DR"/AU) AND (PGA OR POLYGLUTAMIC)

=> dup rem l13

PROCESSING COMPLETED FOR L13

L14 3 DUP REM L13 (0 DUPLICATES REMOVED)

=> d 1-

YOU HAVE REQUESTED DATA FROM 3 ANSWERS - CONTINUE? Y/(N):y

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AN 2007016408 EMBASE <<LOGINID::20090713>>

TI Protective and immunochemical activities of monoclonal antibodies reactive with the Bacillus anthracis polypeptide capsule.

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CS Department of Microbiology and Immunology, University of Nevada School of Medicine, Reno, NV 89557, United States. tkozel@medicine.nevada.edu

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SO Infection and Immunity, (Jan 2007) Vol. 75, No. 1, pp. 152-163.

Refs: 41

ISSN: 0019-9567 CODEN: INFIBR

CY United States

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FS 026 Immunology, Serology and Transplantation

037 Drug Literature Index

004 Microbiology: Bacteriology, Mycology, Parasitology and Virology

LA English

SL English

ED Entered STN: 15 Feb 2007

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AN 2005062035 EMBASE <<LOGINID::20090713>>

TI Capsule synthesis by Bacillus anthracis is required for dissemination in murine inhalation anthrax.

AU Drysdale, Melissa; \*\*\*Lyons, C. Rick\*\*\* ; Koehler, Theresa M.  
 (correspondence)  
 CS Dept. of Microbiol./Molec. Genet., Univ. Texas Houston Hlth. Sci. Ctr.,  
 Houston, TX, United States. Theresa.M.Koehler@uth.tmc.edu  
 AU Heninger, Sara  
 CS Department of Internal Medicine, Univ. of New Mexico Hlth. Sci. Ctr.,  
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 AU Hutt, Julie; Chen, Yahua  
 CS Lovelace Resp. Research Institute, Albuquerque, NM, United States.  
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 Ctr. Med. School, 6431 Fannin St, Houston, TX 77030, United States.  
 Theresa.M.Koehler@uth.tmc.edu  
 SO EMBO Journal, (12 Jan 2005) Vol. 24, No. 1, pp. 221-227.  
 Refs: 36  
 ISSN: 0261-4189 CODEN: EMJODG  
 CY United Kingdom  
 DT Journal; Article  
 FS 029 Clinical and Experimental Biochemistry  
 004 Microbiology: Bacteriology, Mycology, Parasitology and Virology  
 005 General Pathology and Pathological Anatomy  
 LA English  
 SL English  
 ED Entered STN: 24 Feb 2005  
 Last Updated on STN: 24 Feb 2005

L14 ANSWER 3 OF 3 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights  
 reserved on STN  
 AN 2004163147 EMBASE <<LOGINID::20090713>>  
 TI mAbs to Bacillus anthracis capsular antigen for immunoprotection in  
 anthrax and detection of antigenemia.  
 AU Kozel, Thomas R. (correspondence); Murphy, William J.; Brandt, Suzanne;  
 Thorkildson, Peter; Percival, Ann  
 CS Dept. of Microbiology and Immunology, Univ. of Nevada School of Medicine,  
 Reno, NV 89557, United States. trkozel@med.unr.edu  
 AU Blazar, Bruce R.  
 CS Cancer Center, Department of Pediatrics, University of Minnesota,  
 Minneapolis, MN 55455, United States.  
 AU Lovchik, Julie A.; \*\*\*Lyons, C. Rick\*\*\*  
 CS Department of Internal Medicine, Univ. of New Mex. Hlth. Sci. Center,  
 Albuquerque, NM 87131, United States.  
 SO Proceedings of the National Academy of Sciences of the United States of  
 America, (6 Apr 2004) Vol. 101, No. 14, pp. 5042-5047.  
 Refs: 21  
 ISSN: 0027-8424 CODEN: PNASA6  
 CY United States  
 DT Journal; Article  
 FS 037 Drug Literature Index  
 004 Microbiology: Bacteriology, Mycology, Parasitology and Virology  
 LA English  
 SL English  
 ED Entered STN: 28 May 2004  
 Last Updated on STN: 28 May 2004

=> s soluble and (PGA or polyglutamic)  
 L15 636 SOLUBLE AND (PGA OR POLYGLUTAMIC)

=> s l15 and bacteri? and infect?

L16 7 L15 AND BACTERI? AND INFECT?

=> dup rem l16

PROCESSING COMPLETED FOR L16

L17 7 DUP REM L16 (0 DUPLICATES REMOVED)

=> d 1-

YOU HAVE REQUESTED DATA FROM 7 ANSWERS - CONTINUE? Y/(N):y

L17 ANSWER 1 OF 7 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN  
AN 2007:178105 BIOSIS <<LOGINID::20090713>>

DN PREV200700154254

TI Chemoenzymatic synthesis of artificial glycopolypeptides containing  
multivalent sialyloligosaccharides with a gamma- \*\*\*polyglutamic\*\*\*  
acid backbone and their effect on inhibition of \*\*\*infection\*\*\* by  
influenza viruses.

AU Ogata, Makoto; Murata, Takeomi; Murakami, Kouki; Suzuki, Takashi; Hidari,  
Kazuya I. P. J.; Suzuki, Yasuo; Usui, Taichi [Reprint Author]

CS Gifu Univ, United Grad Sch Agr Sci, Yanagido 1-1, Gifu 5011193, Japan  
actusui@agr.shizuoka.ac.jp

SO Bioorganic & Medicinal Chemistry, (FEB 1 2007) Vol. 15, No. 3, pp.  
1383-1393.

ISSN: 0968-0896.

DT Article

LA English

ED Entered STN: 7 Mar 2007

Last Updated on STN: 16 Jan 2008

L17 ANSWER 2 OF 7 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights  
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AN 2007016408 EMBASE <<LOGINID::20090713>>

TI Protective and immunochemical activities of monoclonal antibodies reactive  
with the Bacillus anthracis polypeptide capsule.

AU Kozel, Thomas R. (correspondence); Thorkildson, Peter; Brandt, Suzanne;  
AuCoin, David P.; Vilai, Julpohng

CS Department of Microbiology and Immunology, University of Nevada School of  
Medicine, Reno, NV 89557, United States. tkozel@medicine.nevada.edu

AU Welch, William H.

CS Department of Biochemistry and Molecular Biology, University of Nevada  
School of Medicine, Reno, NV 89557, United States.

AU Lovchik, Julie A.; Lyons, C. Rick

CS Department of Internal Medicine, University of New Mexico Health Sciences  
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AU Kozel, Thomas R. (correspondence)

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AU Brandt, Suzanne

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103/E146, 3710 SW US Vet. Hosp. Rd., Portland, OR 97201, United States.

SO Infection and Immunity, (Jan 2007) Vol. 75, No. 1, pp. 152-163.

Refs: 41

ISSN: 0019-9567 CODEN: INFIBR

CY United States

DT Journal; Article

FS 026 Immunology, Serology and Transplantation

037 Drug Literature Index  
004 Microbiology: Bacteriology, Mycology, Parasitology and Virology  
LA English  
SL English  
ED Entered STN: 15 Feb 2007  
Last Updated on STN: 15 Feb 2007

L17 ANSWER 3 OF 7 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights reserved on STN  
AN 2005132726 EMBASE <<LOGINID::20090713>>  
TI Insights on evolution of virulence and resistance from the complete genome analysis of an early methicillin-resistant *Staphylococcus aureus* strain and a biofilm-producing methicillin-resistant *Staphylococcus epidermidis* strain.  
AU Gill, Steven R. (correspondence); Fouts, Derrick E.; Mongodin, Emmanuel F.; DeBoy, Robert T.; Ravel, Jacques; Paulsen, Ian T.; Kolonay, James F.; Brinkac, Lauren; Beanan, Mauren; Dodson, Robert J.; Daugherty, Sean C.; Madupu, Ramana; Angiuoli, Samuel V.; Durkin, A. Scott; Haft, Daniel H.; Vamathevan, Jessica; Khouri, Hoda; Utterback, Terry; Lee, Chris; Dimitrov, George; Jiang, Lingxia; Qin, Haiying; Weidman, Jan; Tran, Kevin; Kang, Kathy; Hance, Ioana R.; Nelson, Karen E.; Fraser, Claire M.  
CS Institute for Genomic Research, Rockville, MD, United States. srgill@tigr.org  
AU Archer, Gordon L.  
CS Division of Infectious Diseases, VA Cmw. University Health System, Richmond, VA, United States.  
AU Utterback, Terry  
CS J. Craig Venter Sci. Found. Jt. T., Rockville, MD, United States.  
AU Gill, Steven R. (correspondence)  
CS Microbial Genomics, Institute for Genomic Research, 9712 Medical Center Dr., Rockville, MD 20850, United States. srgill@tigr.org  
SO Journal of Bacteriology, (Apr 2005) Vol. 187, No. 7, pp. 2426-2438.  
Refs: 54  
ISSN: 0021-9193 CODEN: JOBAAY  
CY United States  
DT Journal; Article  
FS 004 Microbiology: Bacteriology, Mycology, Parasitology and Virology  
LA English  
SL English  
ED Entered STN: 7 Apr 2005  
Last Updated on STN: 7 Apr 2005

L17 ANSWER 4 OF 7 MEDLINE on STN  
AN 2005477692 MEDLINE <<LOGINID::20090713>>  
DN PubMed ID: 15964901  
TI Anionic poly(amino acid)s dissolve F-actin and DNA bundles, enhance DNase activity, and reduce the viscosity of cystic fibrosis sputum.  
AU Tang Jay X; Wen Qi; Bennett Andrew; Kim Brian; Sheils Catherine A; Bucki Robert; Janmey Paul A  
CS Dept. of Physics, Brown University, Providence, Rhode Island, USA.  
NC HL-67286 (United States NHLBI NIH HHS)  
SO American journal of physiology. Lung cellular and molecular physiology, (2005 Oct) Vol. 289, No. 4, pp. L599-605. Electronic Publication: 2005-06-17.  
Journal code: 100901229. ISSN: 1040-0605.  
CY United States  
DT (IN VITRO)

Journal; Article; (JOURNAL ARTICLE)  
(RESEARCH SUPPORT, N.I.H., EXTRAMURAL)  
(RESEARCH SUPPORT, NON-U.S. GOV'T)  
(RESEARCH SUPPORT, U.S. GOV'T, P.H.S.)

LA English  
FS Priority Journals  
EM 200510  
ED Entered STN: 9 Sep 2005  
Last Updated on STN: 19 Oct 2005  
Entered Medline: 18 Oct 2005

L17 ANSWER 5 OF 7 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights reserved on STN  
AN 2005432483 EMBASE <<LOGINID::20090713>>  
TI Anionic poly(amino acid)s dissolve F-actin and DNA bundles, enhance DNase activity, and reduce the viscosity of cystic fibrosis sputum.  
AU Tang, Jay X.; Wen, Qi  
CS Department of Physics, Brown University, Providence, RI, United States.  
AU Tang, Jay X.; Bennett, Andrew; Kim, Brian; Sheils, Catherine A.; Janmey, Paul A.  
CS Hematology Division, Brigham and Women's Hospital, Boston, MA, United States.  
AU Sheils, Catherine A.  
CS Pulmonary Division, Children's Hospital, Boston, MA, United States.  
AU Bucki, Robert (correspondence); Janmey, Paul A.  
CS Department of Physiology, Institute for Medicine and Engineering, University of Pennsylvania, Philadelphia, PA, United States. buckirob@mail.med.upenn.edu  
AU Bucki, Robert (correspondence)  
CS Dept. of Physiology, Inst. for Medicine and Engineering, Univ. of Pennsylvania, 3340 Smith Walk, Philadelphia, PA 19104, United States. buckirob@mail.med.upenn.edu  
SO American Journal of Physiology - Lung Cellular and Molecular Physiology, (Oct 2005) Vol. 289, No. 4 33-4, pp. L599-L605.  
Refs: 30  
ISSN: 1040-0605 CODEN: APLPE7  
CY United States  
DT Journal; Article  
FS 002 Physiology  
027 Biophysics, Bioengineering and Medical Instrumentation  
005 General Pathology and Pathological Anatomy  
LA English  
SL English  
ED Entered STN: 3 Nov 2005  
Last Updated on STN: 3 Nov 2005

L17 ANSWER 6 OF 7 EMBASE COPYRIGHT (c) 2009 Elsevier B.V. All rights reserved on STN  
AN 1998018583 EMBASE <<LOGINID::20090713>>  
TI Folate and antifolate pharmacology.  
AU Kamen, B., Dr. (correspondence)  
CS Department of Pediatrics, University of Texas, Southwestern Medical Center, 5323 Harry Hines Blvd, Dallas, TX 75235-9063, United States.  
SO Seminars in Oncology, (1997) Vol. 24, No. 5 SUPPL. 18, pp. S18-30-S18-39.  
Refs: 71  
ISSN: 0093-7754 CODEN: SOLGAV  
CY United States

DT Journal; General Review; (Review)  
 FS 016 Cancer  
 030 Clinical and Experimental Pharmacology  
 037 Drug Literature Index  
 038 Adverse Reactions Titles  
 LA English  
 SL English  
 ED Entered STN: 12 Feb 1998  
 Last Updated on STN: 12 Feb 1998

L17 ANSWER 7 OF 7 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN  
 AN 1986:362316 BIOSIS <<LOGINID::20090713>>  
 DN PREV198682066790; BA82:66790  
 TI EVIDENCE THAT POLYGALACTURONIC-ACID MAY NOT BE A MAJOR SOURCE OF CARBON  
 AND ENERGY FOR SOME COLONIC BACTEROIDES SPECIES.  
 AU MCCARTHY R E [Reprint author]; SALYERS A A  
 CS DEPARTMENT MICROBIOLOGY, UNIVERSITY ILLINOIS, URBANA, ILLINOIS 61801, USA  
 SO Applied and Environmental Microbiology, (1986) Vol. 52, No. 1, pp. 9-16.  
 CODEN: AEMIDF. ISSN: 0099-2240.  
 DT Article  
 FS BA  
 LA ENGLISH  
 ED Entered STN: 6 Sep 1986  
 Last Updated on STN: 6 Sep 1986

=> d kwic 6-

YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/(N):y

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AB Folio acid is a water- \*\*\*soluble\*\*\* vitamin associated with the other  
 B vitamins. In its fully reduced form (tetrahydrofolate), folate serves  
 as a I- carbon donor. . . served and continue to serve well as  
 antibiotics and cytotoxic drugs in the treatment of cancer, autoimmune  
 diseases, psoriasis, and \*\*\*bacterial\*\*\* and protozoal  
 \*\*\*infections\*\*\* . During the past 50 years, many of the enzymes  
 requiring folate as a co-factor (ie, thymidylate synthase), and molecules  
 critical. . .

CT Medical Descriptors:  
 \*biochemistry  
 bone . . .  
 CR, drug concentration  
 \*methotrexate: DO, drug dose  
 \*methotrexate: DT, drug therapy  
 \*methotrexate: PK, pharmacokinetics  
 \*methotrexate: PD, pharmacology  
 nicotinamide adenine dinucleotide phosphate  
 pemetrexed: CT, clinical trial  
 pemetrexed: PD, pharmacology  
 \*\*\*polyglutamic acid\*\*\*  
 purine: EC, endogenous compound  
 \*raltitrexed: CT, clinical trial  
 \*raltitrexed: PK, pharmacokinetics  
 \*raltitrexed: PD, pharmacology  
 receptor: EC, endogenous compound  
 \*tetrahydrofolic acid

thymidine: EC, endogenous compound  
thymidylate synthase: EC, . . . .

RN. . . 106400-18-4, 106400-81-1, 120408-07-3, 95693-76-8; (mercaptopurine) 31441-78-8, 50-44-2, 6112-76-1; (methotrexate) 15475-56-6, 59-05-2, 7413-34-5; (nicotinamide adenine dinucleotide phosphate) 53-59-8; (pemetrexed) 137281-23-3, 150399-23-8; ( \*\*\*polyglutamic\*\*\* acid) 24991-23-9, 25513-46-6; (purine) 120-73-0; (raltitrexed) 112887-68-0; (tetrahydrofolic acid) 135-16-0; (thymidine) 50-89-5; (thymidylate synthase) 9031-61-2; (trimetrexate glucuronate) 82952-64-5; (trimetrexate) 52128-35-5

L17 ANSWER 7 OF 7 BIOSIS COPYRIGHT (c) 2009 The Thomson Corporation on STN  
AB Five Bacteroides species that are found in the human colon can utilize polygalacturonic acid ( \*\*\*PGA\*\*\* ) when they are grown in laboratory media: Bacteroides thetaiotaomicron, Bacteroides vulgatus, Bacteroides ovatus, Bacteroides fragilis subsp. a, and Bacteroides sp. strain 3452A (an unnamed DNA-DNA homology group). \*\*\*PGA\*\*\* -degrading enzymes from B. thetaiotaomicron have been isolated and characterized previously. To determine whether a \*\*\*PGA\*\*\* lyase activity in human feces could be attributed to any of these species, we first determined the properties of \*\*\*PGA\*\*\* lyases from the other four Bacteroides species. \*\*\*PGA\*\*\* lyases from all the Bacteroides species were \*\*\*soluble\*\*\* , cell associated, and inducible by \*\*\*PGA\*\*\* . All had similar pH optima (8.4 to 8.8) and similar molecular weights (50,000). All activities were enhanced by calcium. The \*\*\*PGA\*\*\* lyases from the five species differed with respect to isoelectric point: .BETA.. thetaiotaomicron (pI 7.5), B. vulgatus (pI 7.7), B. ovatus (pI 5.8, 7.2), B. fragilis subsp. a (pI 6.1), and Bacteroides sp. strain 3452A (pI 7.7). The \*\*\*PGA\*\*\* lyase activity in human feces resembled those of the Bacteroides \*\*\*PGA\*\*\* lyases in that it had a pH optimum of 8.4 to 8.8 and was enhanced by calcium. However, it differed from the Bacteroides \*\*\*PGA\*\*\* lyases both with respect to isoelectric point (pI 4.2 to 4.4) and molecular weight (100,000). On the basis of these findings, it appears that the \*\*\*PGA\*\*\* lyase activity in human feces is not produced by any of the Bacteroides species surveyed in this survey. Moreover, there was no detectable \*\*\*PGA\*\*\* lyase activity in feces that had the same properties as the Bacteroides enzymes. Because the Bacteroides \*\*\*PGA\*\*\* lyases were produced at high levels only when they were grown on \*\*\*PGA\*\*\* , the failure to detect Bacteroides \*\*\*PGA\*\*\* lyases indicates that \*\*\*PGA\*\*\* may not be a major source of carbon and energy for these species in the colon.

IT Major Concepts  
Biochemistry and Molecular Biophysics; Digestive System (Ingestion and Assimilation); Enzymology (Biochemistry and Molecular Biophysics); \*\*\*Infection\*\*\* ; Metabolism; Nutrition; Physiology; Systematics and Taxonomy

ORGN Classifier  
Bacteroidaceae 06901  
Super Taxa  
Anaerobic Gram-Negative Rods; Eubacteria; \*\*\*Bacteria\*\*\* ; Microorganisms  
Taxa Notes  
\*\*\*Bacteria\*\*\* , Eubacteria, Microorganisms

ORGN Classifier  
Hominidae 86215  
Super Taxa  
Primates; Mammalia; Vertebrata; Chordata; Animalia



Taxa Notes

Animals, Chordates, Humans, Mammals, Primates,. . .